

REMARKS

The present amendment is in response to the Final Office Action dated October 03, 2006. By the present amendment, claims 1, 5, 12, 20, 33, 43, 51 and 52 have been amended. No claims have been added or canceled. Accordingly, claims 1-8, 11-15, 17-26, 29-38, 40-44, 46, 49-57, 59, and 61-66 are pending in the present application. Reconsideration and allowance of pending claims 1-8, 11-15, 17-26, 29-38, 40-44, 46, 49-57, 59, and 61-66 in view of the following remarks are respectfully requested.

A. Claims 1-8, 11-15, 17-19, 33-38 and 40-41

The Examiner rejected claims 1-5, 9-13, 15-17, 33, 34, and 40-41 under 35 USC §103(a) as being unpatentable over US Patent No. 6,411,811 ("Kingdon") in view of U.S. Pub. No. 2002/011171 ("Boesch"). Applicant respectfully submits that neither Kingdon, nor Boesch, nor a combination of the two, teaches or suggests all the limitations of any one of independent claims 1, 12, or 33 and that claims 2-8, 11, 13-15, 17-19, 34-38, and 40-41 are allowable for at least the reason that these claims depend from an allowable base claim.

Claim 1

As amended claim 1 recites "receiving GPS satellite information at the base station from a GPS satellite". Applicants respectfully submit that this feature is not disclosed in Kingdon. Kingdon teaches to receive GPS satellite information at an MLC and not at the base station. (Kingdon, Col. 4, line 63 to col. 5, line 14). Boesch teaches to receive GPS information at a mobile device. (Boesch, page 4, [0035], [0037]) Boesch does not suggest that GPS satellite information can be received from satellites at a base station. Accordingly, applicants respectfully submit that neither Kingdon, nor Boesch, nor a combination of the two, teaches or suggests "receiving GPS satellite information at the base station from a GPS satellite".

As amended, claim 1 further recites "receiving, from the GPS enabled device, decoded position information requiring at least some processing to determine a position of the GPS enabled device." Applicants respectfully submit that Kingdon does not teach

or suggest this feature. Kingdon teaches to transmit position information (e.g. latitude and longitude) from the mobile station 200. (Kingdon, Column 5, lines 18-20). Kingdon does not suggest sending decoded position information that requires processing to determine the position. The information sent from the mobile station 200 is the position and does not require further processing. Boesch does not discuss sending decoded position information from the mobile terminal.

Claim 1 further recites "transmitting, from the base station to the GPS enabled device, the position of the GPS enabled device based on the decoded position information". Applicants respectfully submit that neither Kingdon, nor Boesch, nor a combination of the two, teaches or suggests this feature. Although Kingdon suggests that the LA may be within the MS 200, this does not show that the position of the GPS enabled device is transmitted to the mobile device. Since the position is determined by the mobile station in Kingdon, there is no reason to receive the position from a base station. Kingdon teaches away from the invention by specifying that the position is determined by the mobile device. Boesch teaches to receive GPS assistance information at the mobile device and determine the position at the mobile device. There is no suggestion that the position device position is transmitted from the base station.

Accordingly, applicants respectfully submit that the combination of references does not teach or suggest at least the three features discussed above and that claim 1 is allowable.

Claims 2-8 and 11

Claims 2-8 and 11 depend from claim 1 which applicants respectfully submit is allowable. Accordingly, these claims are at least allowable for the reason that the claims depend from an allowable base claim.

Claim 12

Claim 12 recites a method "decoding the received position information to generate decoded position information that requires processing to determine a position" and "transmitting the decoded position information to the base station". Applicants respectfully submit that neither Kingdon, nor Boesch, nor a combination of the two, teaches or suggests this feature. As discussed above, Kingdon teaches to transmit position information from the mobile station such as latitude and longitude. Kingdon does not suggest that the information sent from the mobile station requires further processing to determine a position of the mobile station. There is no discussion in Boesch related to transmitting decoded position information.

Claim 12 further recites "receiving a position determined from the decoded position information from the base station". As discussed above, neither Kingdon nor Boesch teaches or suggests transmitting position information from the base station to a mobile station. Accordingly, neither of these references show receiving position information from a base station.

Claims 13-15 and 17-19

Claims 13-15 and 17-19 depend from claim 12 which applicants respectfully submit is allowable. Accordingly, these claims are at least allowable for the reason that the claims depend from an allowable base claim.

Claim 33

Claim 33 recites a "receiver configured to receive decoded position information from the GPS enabled device, the decoded position information requiring processing to determine a position". Applicants respectfully submit that neither Kingdon, nor Boesch, nor a combination of the two, teach this feature. As discussed above, Kingdon teaches to determine the position at the mobile station. The information sent received at the base station from the mobile station is a position and does not require processing to determine a position. Boesch also teaches to determine position at the mobile device

and does not teach to receive decoded position information at a base station where the decoded position information requires processing to determine a position.

Claims 34-38 and 40-42

Claims 34-38 and 40-42 depend from claim 33 which applicants respectfully submit is allowable. Accordingly, these claims are at least allowable for the reason that the claims depend from an allowable base claim.

B. Claims 20-27 and 29-32 under 35 USC §103(a)

The Examiner rejected claims 20-22 and 29 under 35 USC §103(a) as being unpatentable by US Patent No. 6,525,689 ("Dooley") in view of U.S. Pub. No. 2002/0111171 ("Boesch"). Applicants respectfully submit that these references do not teach or suggest all of the limitations of claim 20 and that claims 21-27 and 29-32 are at least allowable for the reason that these claims depend from an allowable base claim.

Claim 20

Claim 20 recites "a transmitter configured to transmit the received GPS satellite information to a GPS enabled device at a time that is not associated with a position request." Applicants respectfully submit that neither Dooley, nor Boesch, nor a combination of the two, teaches or suggests this feature. Dooley teaches to modify the GPS information received through the GPS receiver in order to provide the mobile unit with GPS information that reflects the GPS signal characteristics as would be observed at an estimated location of the mobile unit. (Column 2, lines 35-38). The new GPS information is transmitted to the mobile unit. Accordingly, Dooley does not teach to transmit the "received GPS satellite information". Boesch does not teach to transmit GPS information that is received through a GPS receiver at a base station. As shown in FIG. 1, the BS 12 receives information from a GPS reference receiver 22 and does not include a GPS receiver. Accordingly, the any GPS information transmitted from the base station in Boesch is not "received GPS satellite information" that is received through a GPS receiver at the base station.

Claim 20 further recites "a receiver configured to receive decoded position information from the GPS enabled device." Applicants respectfully submit that neither Dooley, nor Boesch, nor a combination of the two, teaches or suggests this feature. Dooley teaches to determine position at the mobile unit based on modified GPS signals received from the base station. There is no discussion in Dooley regarding the transmission of decoded position information from the mobile unit to the base station. For support that this feature is shown in Dooley, the Examiner cites to col. 5, lines 17-24. (See Office Action, page 11, lines 6-9). This section in Dooley, however, is directed to calculations modifying the Doppler shift and current code pulse of GPS satellite signals and does not include any discussion regarding transmitting decoded position information. Boesch teaches to determine position at the mobile unit and does not include any discussion of receiving decoded position information at a base station from a GPS enabled device.

Claim 20 further recites "the base station is configured to determine a position of the GPS enabled device based on the received decoded position information, and to transmit the determined position to the GPS enabled device." Applicants respectfully submit that neither Dooley, nor Boesch, nor a combination of the two, teaches or suggests this feature. Dooley teaches to determine position at the mobile unit. There is no discussion in Dooley regarding the determination of position at the base station. For support that this feature is shown in Dooley, the Examiner cites to col. 5, lines 17-21. (see Office Action, page 11, lines 10-12). This section in Dooley is directed to calculations for modifying the Doppler shift and current code pulse of GPS satellite signals and does not include any discussion regarding the determination of position at a base station. Boesch teaches to determine position at the mobile unit and does not include any discussion of determining position at a base station.

Claims 21-27 and 29-32

Claims 21-27 and 29-32 depend from claim 20 which applicants respectfully submit is allowable. Accordingly, these claims are at least allowable for the reason that the claims depend from an allowable base claim.

C. Claims 43-44, 46, 49-57, 59, and 61-66

The Examiner rejected claims 35, 43, 45-49, 51-54, and 58-65 under 35 USC §103(a) as being unpatentable over US Patent No. 6,411,811 ("Kingdon") in view of U.S. Pub. No. 2002/011171 ("Boesch"), further in view of US Patent No. 6,525,689 ("Dooley"). Applicants respectfully submit that the references do not teach or suggest all of the limitations of either of independent claims 43 or 51 and that dependent claims 44, 46, 49-50 are allowable for at least the reason that these claims depend from an allowable base claim.

Claims 43

Claim 43 recites a transmitter configured to transmit the decoded position information to the base station" where the decoded position information "requires processing to determine a position." Applicants respectfully submit that neither Kingdon, nor Boesch, nor Dooley, nor any combination of the three, teaches or suggests this feature. As discussed above with reference to claim 1 Kingdon teaches to transmit position information (e.g. latitude and longitude) from the mobile station 200. (Column 5, lines 18-20) and does not suggest to send decoded position information that requires processing to determine the position. Boesch does not discuss sending decoded position information from the mobile terminal. Dooley teaches to determine position at the mobile unit based on modified GPS signals received from the base station. There is no discussion in Dooley regarding the transmission of decoded position information from the mobile unit to the base station.

Claim 43 also recites that the receiver is further configured to "receive the position determined from the decoded position information from the base station". Applicants respectfully submit that neither Kingdon, nor Boesch, nor Dooley, nor any combination of the three, teaches or suggests this feature. Although Kingdon suggests that the LA may be within the MS 200, this does not show that the position of the GPS enabled device is transmitted to the mobile device. Since the position is determined by the mobile station in Kingdon, there is no reason to receive the position from a base

station. Kingdon teaches away from the invention by specifying that the position is determined by the mobile device. Boesch teaches to receive GPS assistance information at the mobile device and determine the position at the mobile device. There is no suggestion that the position device position is transmitted from the base station. Dooley teaches to determine position at the mobile unit. There is no discussion in Dooley regarding the determination of the position elsewhere. The position is not received at the mobile unit in Dooley.

Claims 44, 46, and 49-50

Claims 44, 46, and 49-50 depend from claim 43 which applicants respectfully submit is allowable. Accordingly, these claims are at least allowable for the reason that the claims depend from an allowable base claim.

Claim 51

Claim 51 recites a system that includes a GPS enabled device comprising a "transmitter configured to transmit the decoded position information to the base station" where the decoded position information "requires processing to determine a position." As discussed above with reference to claim 43, applicants respectfully submit that neither Kingdon, nor Boesch, nor Dooley, nor any combination of the three, teaches or suggests this feature.

Claims 52-57 and 61-64

Claims 52-57 and 61-64 depend from claim 51 which applicants respectfully submit is allowable. Accordingly, these claims are at least allowable for the reason that the claims depend from an allowable base claim.

D. Conclusion

For all the foregoing reasons, an allowance of claims 1-8, 11-15, 17-26, 29-38, 40-44, 46, 49-57, 59, and 61-66 pending in the present application is respectfully requested. Payment of the RCE fee accompanies the present submission; no other fee is believed due. If necessary, applicant requests, under the provisions of 37 CFR 1.136(a) to extend the period for filing a reply in the above-identified application and to charge the fees for a large entity under 37 CFR 1.17(a). The Director is authorized to charge any additional fee(s) or any underpayment of fee(s) or credit any overpayment(s) to Deposit Account No. 50-3001 of Kyocera Wireless Corp.

Respectfully Submitted,

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